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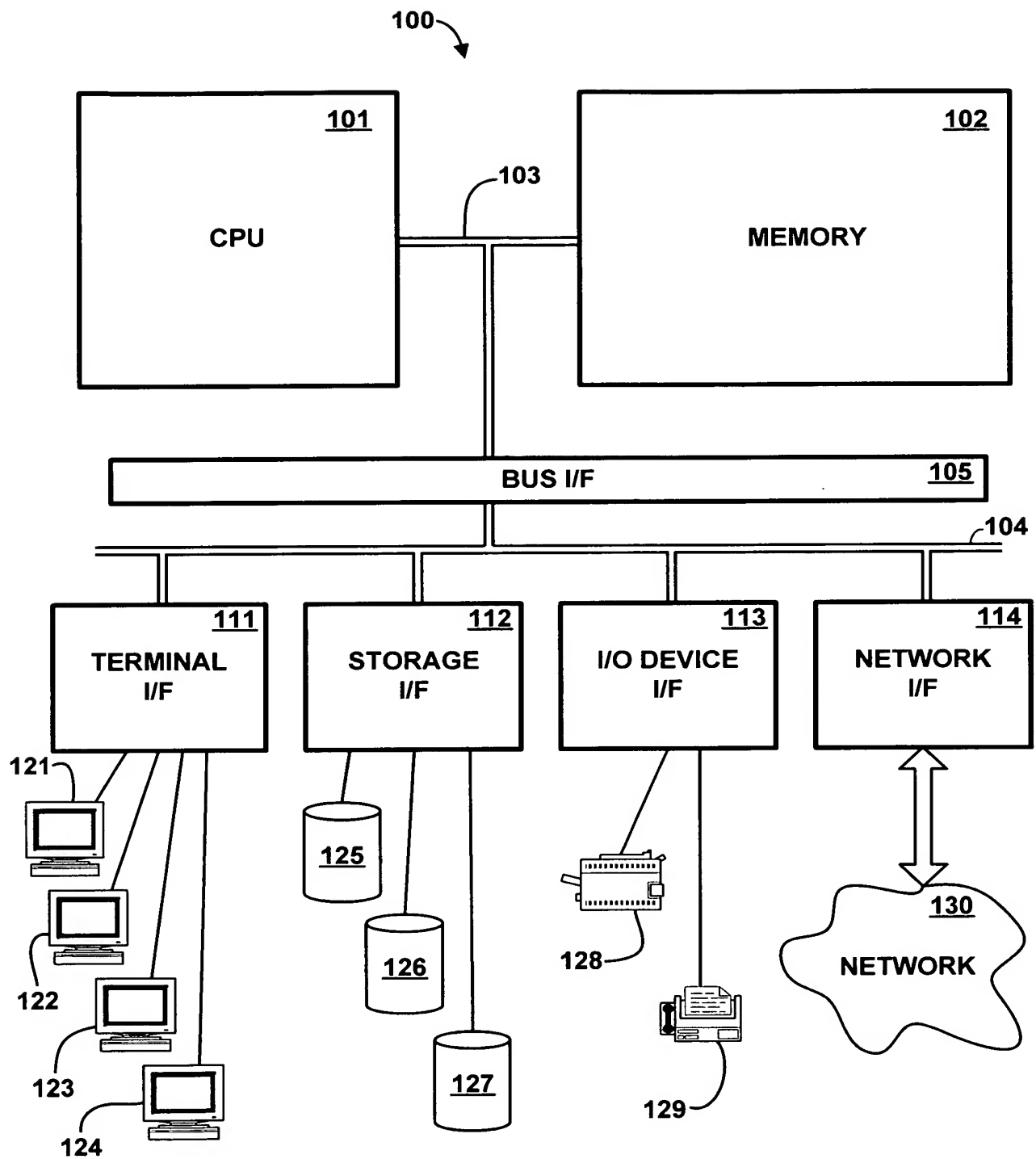


FIG. 1

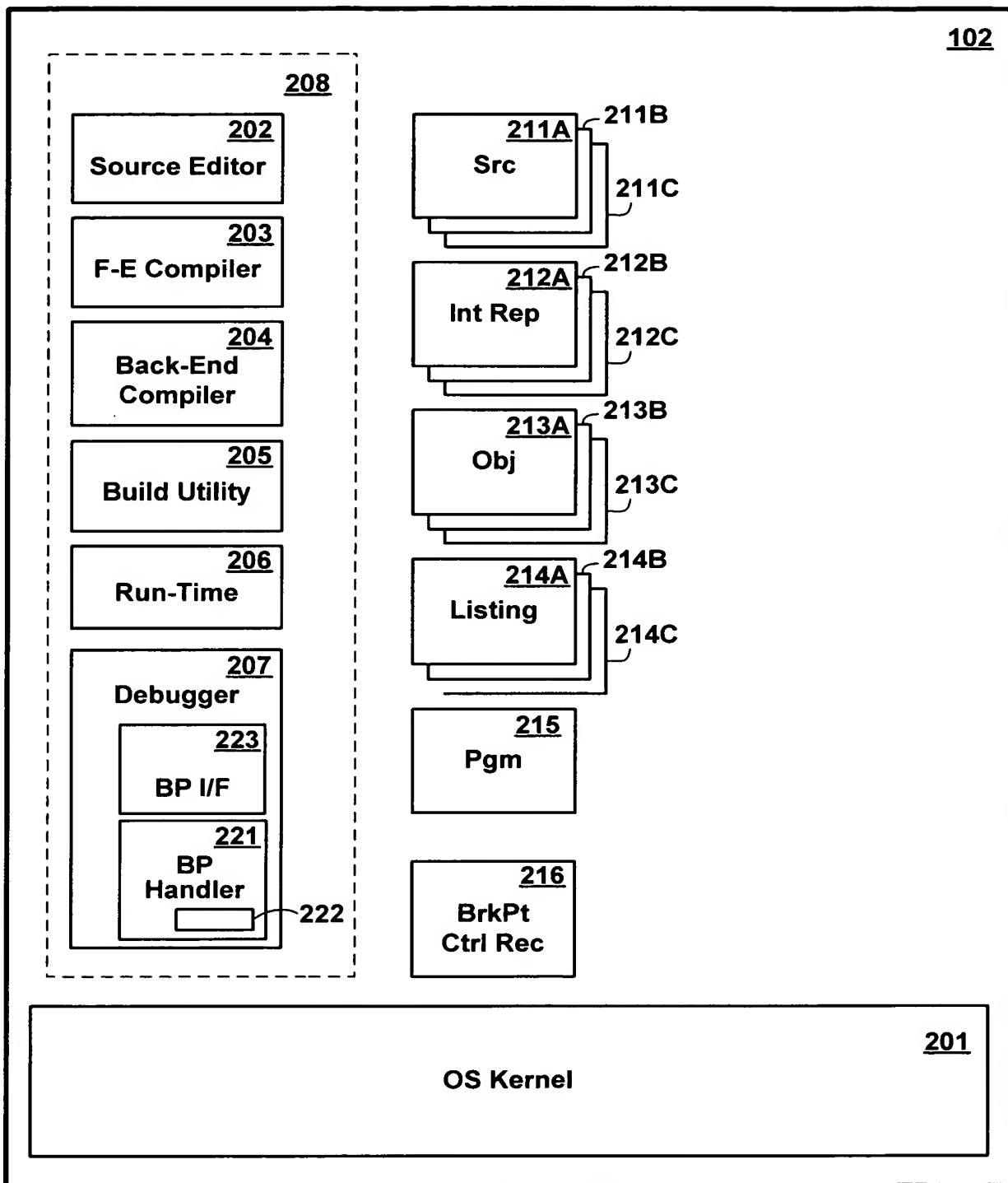


FIG. 2

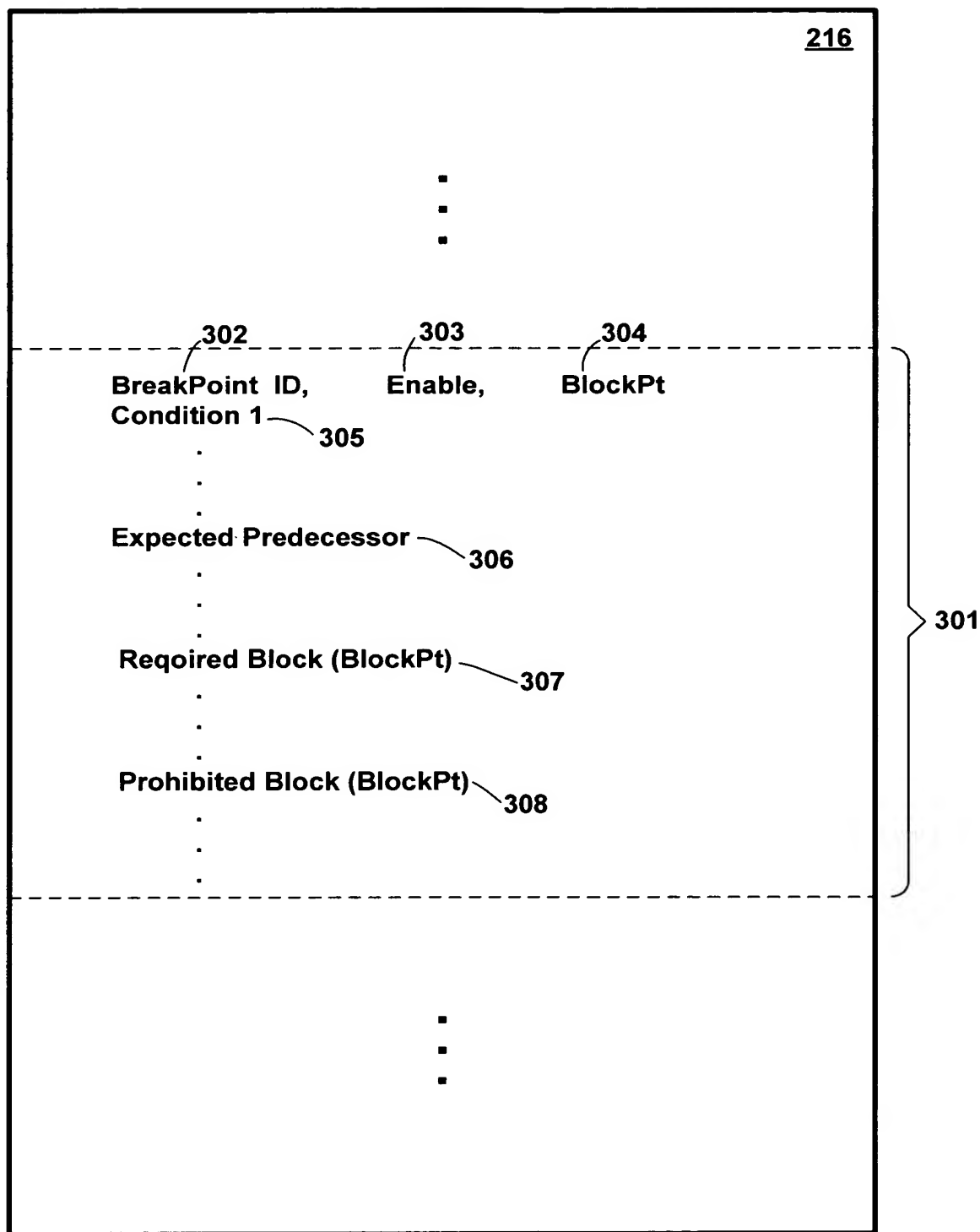


FIG. 3

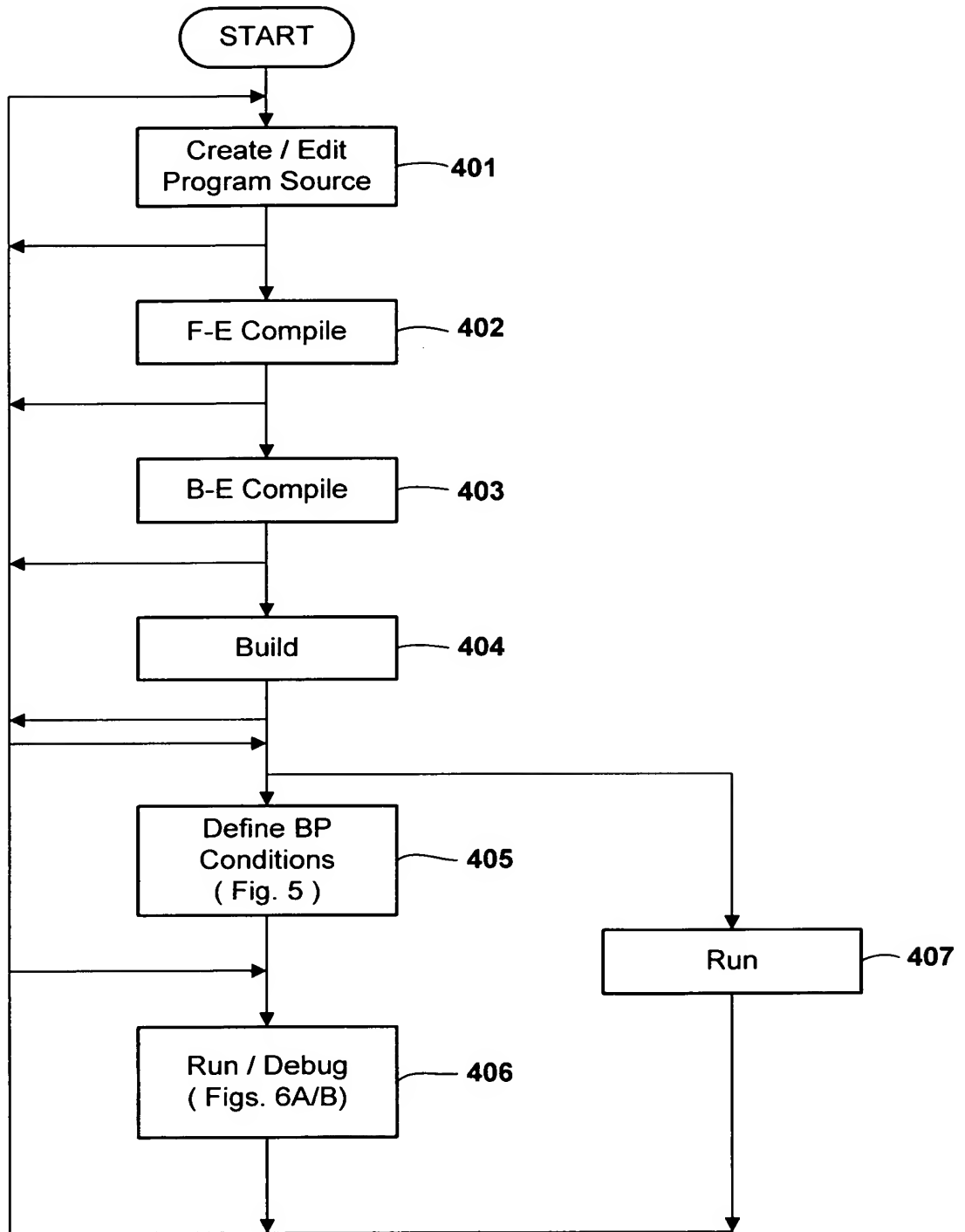


FIG. 4

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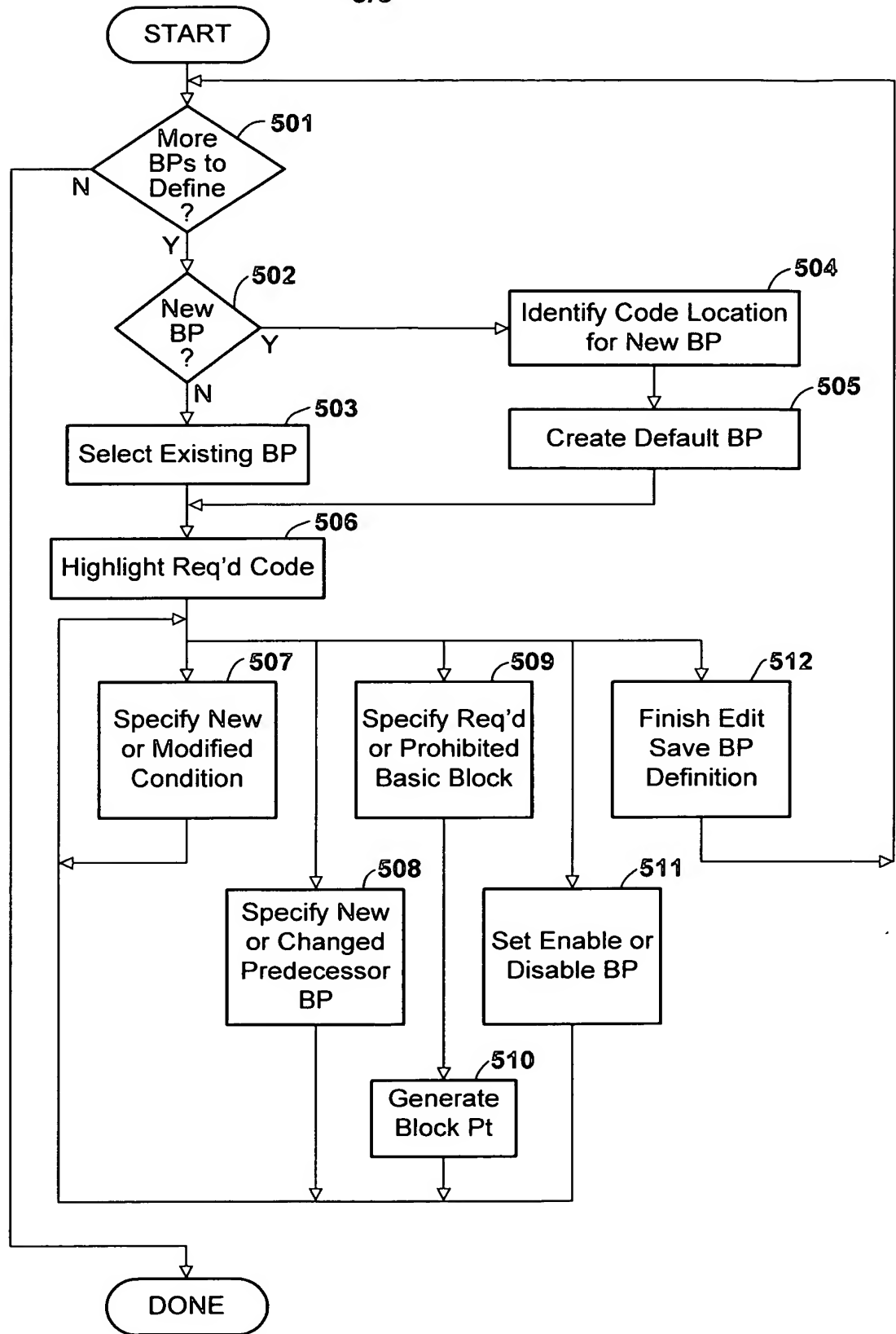
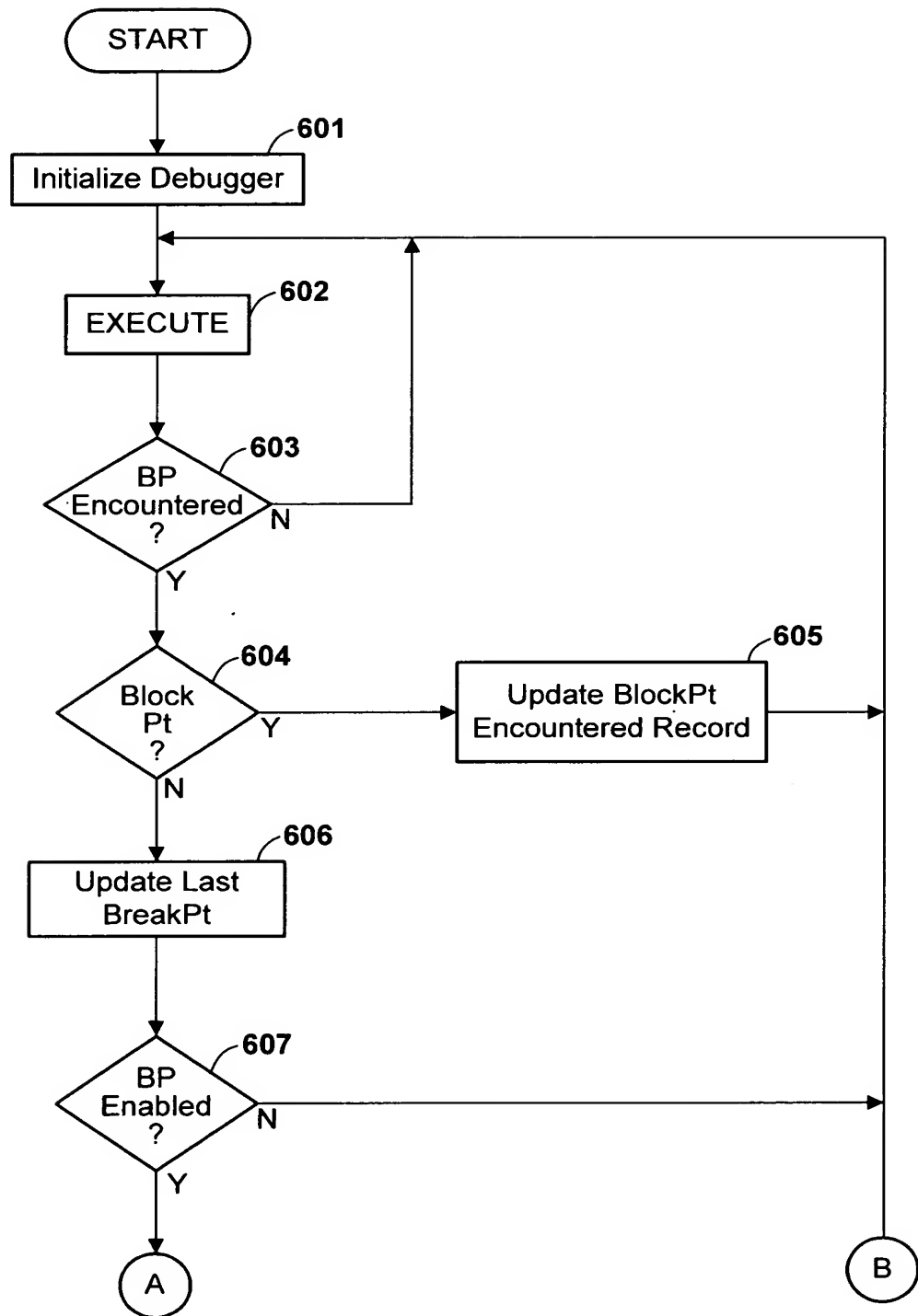


FIG. 5

**FIG. 6A**

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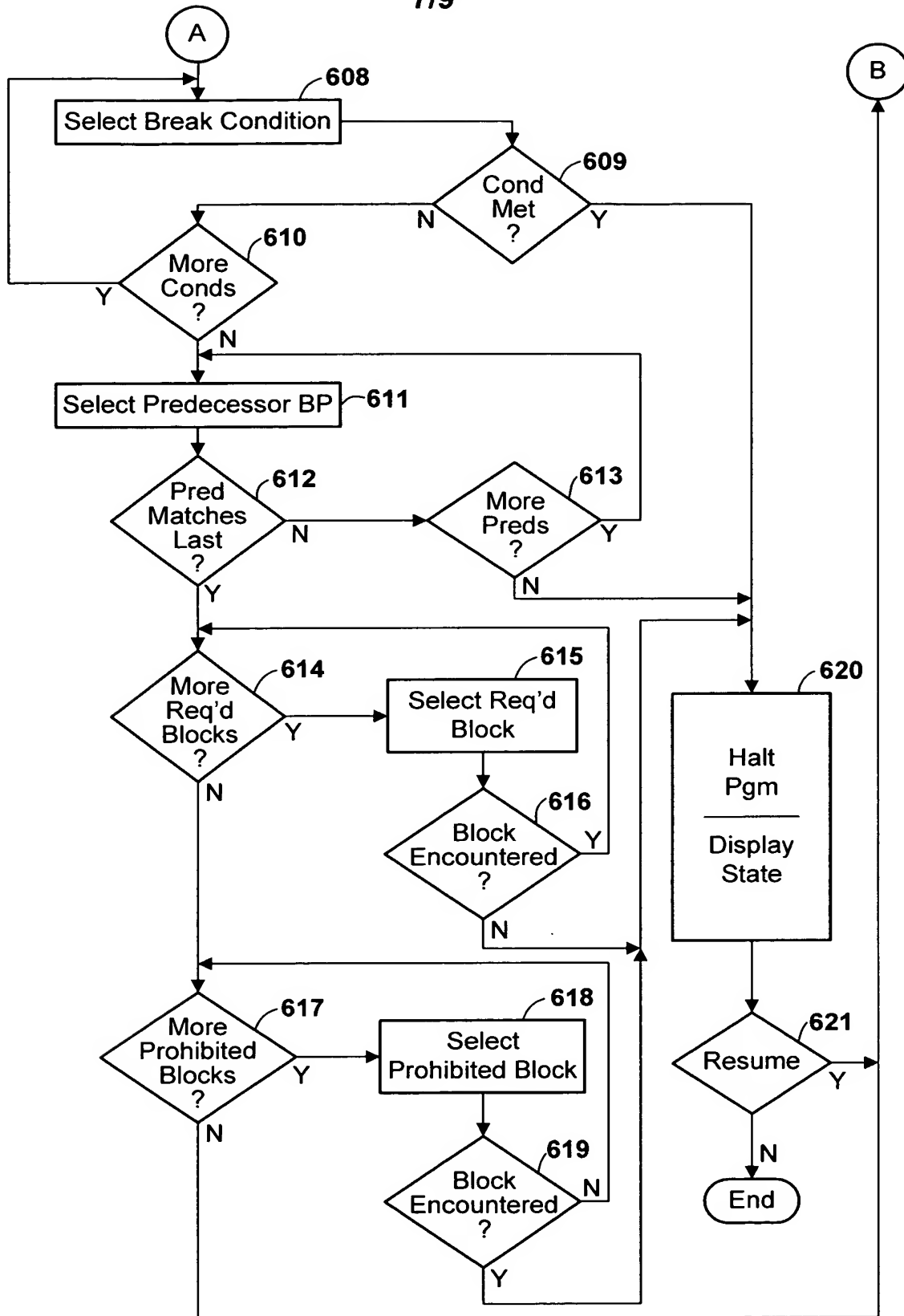


FIG. 6B

```
main()
{
    state = 0;
    in = fopen( "diet.dat", "r" );

    buf[0] = 0
    idx = 0;

    while(1)
    {

        if ( feof( in ) ) break;
        ch = fgetc(in);

        state = table[state][map(ch) - 1];

        if ( state == 9)
        {
            buf[idx] = ch;
            buf[idx+1] = 0;
            idx++;
        }
        if ( state == 10 )
        {
            if ( strstr( buf, "KidsMeal" ) != 0 )
            {
                printf( "Saturated Fats: ");
                printf( "%s\n", &buf[1] );
            }
            idx = 0;
        }
    }
    fclose(in);
}
```

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FIG. 7


```

main()
{
    state = 0;
    in = fopen( "diet.dat", "r" );

    buf[0] = 0
    idx = 0;

    while(1)
    {

        if ( feof( in ) ) break;
        ch = fgetc(in);

        state = table[state][map(ch) - 1];

        if ( state == 9)
        {
            buf[idx] = ch;
            buf[idx+1] = 0;
            idx++;
        }
        if ( state == 10 )
        {
            if ( strstr( buf, "KidsMeal" ) != 0 )
            {
                printf( "Saturated Fats: ");
                printf( "%s\n", &buf[1] );
            }
            idx = 0;
        }
    }
    fclose(in);
}

```

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FIG. 8